

REMARKS

At the outset, the Examiner is thanked for the thorough review and consideration of the pending application. The Office Action dated August 3, 2006 has been received and their contents carefully reviewed. Applicants gratefully acknowledge the Examiner's indication of allowable subject matter in claims 10, 13 and 16.

As a preliminary matter, Applicants wish to bring to the Examiner's attention the enclosed "Petition for Entry of Information Disclosure Statement in Multiple Patent Applications," filed by Applicants on August 5, 2005 in Patent Application No. 10/184,096. In that Petition, Applicants requested entry of the attached Information Disclosure Statement in the present patent application. Therefore, Applicants request that the Examiner consider such IDS and provide an acknowledgement of such in the next Office Action.

By this Amendment, Applicants have amended claims 1 and 14, and cancelled claims 17-20 without prejudice or disclaimer. Accordingly, claims 1-16 are currently pending. Reexamination and reconsideration of the pending claims is respectfully requested.

In the Office Action, the Examiner rejected claims 1-7 and 9 under 35 U.S.C. § 103(a) as being unpatentable over Okamoto et al. (JP Patent No. 05006913) in view of ARA (Fig. 3 of Applicants' Related Art); rejected claim 8 under 35 U.S.C. § 103(a) as being unpatentable over Okamoto et al. and ARA in view of Kitamura et al. (U.S. Patent No. 6,139,639); rejected claims 11-12 under 35 U.S.C. § 103(a) as being unpatentable over Okamoto et al. and ARA in view of Fujiwara et al. (U.S. Patent No., 5,905,559); and rejected claims 14-15 under 35 U.S.C. § 103(a) as being unpatentable over ARA in view of Bouras et al. (U.S. Patent No. 5,906,682).

The rejection of claims 1-7 and 9 under 35 U.S.C. § 103(a) as being unpatentable over Okamoto et al. in view of ARA is respectfully traversed and reconsideration is requested.

Claim 1 is allowable over the cited references in that each of these claim 1 recites a combination of elements including, for example, "...an image camera mounted at a side of the syringe and detecting an image of the seal pattern by varying the position of the table..." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicant respectfully submits that claim 1 and claims 2-5, and 9, which depend from claim 1, are allowable over the cited references.

The rejection of claim 8 under 35 U.S.C. § 103(a) as being unpatentable over Okamoto et al. and ARA in view of Kitamura et al. is respectfully traversed and reconsideration is requested. Because Kitamura et al. fails to cure the deficient teaching of Okamoto et al. and ARA as discussed with respect to claim 1, claims 6-8, which depend from claim 1, are allowable over the cited references.

The rejection of claims 11-12 under 35 U.S.C. § 103(a) as being unpatentable over Okamoto et al. and ARA in view of Fujiwara et al. is respectfully traversed and reconsideration is requested. Because Fujiwara et al. fails to cure the deficient teaching of Okamoto et al. and ARA as discussed with respect to claim 1, claims 11-12, which depend from claim 1, are allowable over the cited references.

The rejection of claims 14-15 under 35 U.S.C. § 103(a) as being unpatentable over ARA in view of Bouras et al. is respectfully traversed and reconsideration is requested.

Claim 14 is allowable over the cited references in that each of these claim 14 recites a combination of elements including, for example, "...aligning a start point of the seal pattern and an image camera mounted at a side of the syringe; detecting an image of the seal pattern by changing the relative position between the image camera and the substrate..." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicant respectfully submits that claim 14 and claim 15, which depends from claim 14, are allowable over the cited references.

Applicants believe the application is in condition for allowance and early, favorable action is respectfully solicited. If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at (202) 496-7500 to discuss the steps necessary for placing the application in condition for allowance. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. § 1.136, and any additional fees required under 37

C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911. A duplicate copy of this sheet is enclosed.

Dated: November 2, 2006

Respectfully submitted,

By

Eric J. Nuss

Registration No.: 40,106

McKENNA LONG & ALDRIDGE LLP

1900 K Street, N.W.

Washington, DC 20006

(202) 496-7500

Attorneys for Applicant



Docket No.: 8733.666.00
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
BYUN, Young Sang

Application No.: 10/184,096

Filed: June 28, 2002

For: SYSTEM AND METHOD FOR
MANUFACTURING LIQUID CRYSTAL
DISPLAY DEVICES

Customer No.: 30827

Confirmation No.: 2143

Art Unit: 2876

Examiner: Lisa M. Caputo

Mail Stop Petitions
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION FOR ENTRY OF INFORMATION DISCLOSURE STATEMENT IN
MULTIPLE PATENT APPLICATIONS

Sir:

Pursuant to the oral communication between the undersigned and Mr. Anton Fetting of the United States Patent and Trademark Office, Applicants submit the following Petition for Entry of Information Disclosure Statement (IDS) in multiple pending patent applications.

Over the course of prosecution of the above-identified patent application, Assignee has become aware of multiple references that it wishes to have considered by the examiner. In addition, the Assignee of the application identified above also wishes to have the same references considered in a plurality of copending patent applications. A list of these applications is attached to this Petition as Appendix A.

As can be seen from the attached reference list (PTO/ SB/08), many references are being cited in the present IDS. Many of those cited references are foreign publications requiring a paper submission according to USPTO Rules. The resulting number of copies, based on the number of applications to which Applicants wish to submit an identical IDS, is extensive. For

the purposes of expedience and preservation of both Patent Office and environmental resources, Applicants request that the Patent Office accept and enter this single IDS, PTO/SB/08, and copies of cited references in each of the patent applications listed in Appendix A.

Applicants note that the submission of IDS in some of the following applications will require the payment of a fee. Applicants have noted in Appendix A which applications they believe require a fee under 1.17(p). The Director is hereby authorized to charge this fee to Deposit Account No. 50-0911.

If there are any questions regarding this petition, please contact the undersigned attorney at (202) 496-7413. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911. A duplicate copy of this sheet is enclosed.

Dated: August 5, 2005

Respectfully submitted,

By 

Song K. Jung

Registration No.: 35,210

McKENNA LONG & ALDRIDGE LLP

1900 K Street, N.W.

Washington, DC 20006

(202) 496-7500

Attorneys for Applicant

APPENDIX A

List of pending cases in which the IDS is to be entered.

The following cases require a fee under 37 C.F.R § 1.97(c)/1.17(p):

Application Serial No.	Attorney Docket	Filing Date
10/128,440	8734.059	April 24, 2002
10/184,077	8733.624.00	June 28, 2002
10/184,087	8733.630.00	June 28, 2002
10/184,118	8733.631.00	June 28, 2002
10/244,668	8734.086	September 17, 2002
10/259,321	8734.091	September 30, 2002
10/259,698	8734.096	September 30, 2002
10/289,380	8733.705.00	November 7, 2002
10/308,130	8734.114	December 3, 2002
10/308,156	8734.116	December 3, 2002
10/316,897	8734.127	December 12, 2002
10/625,525	8733.871.00	July 24, 2003
10/661,472	8733.870.00	September 15, 2003
10/661,473	8733.872.00	September 15, 2003
10/661,515	8733.869.00	September 15, 2003
10/701,489	8734.250	November 6, 2003
10/735,730	8734.049 C1	December 16, 2003
10/874,169	8734.320	June 24, 2005
10/874,220	8734.322	June 24, 2005
10/895,934	8733.789.10	July 22, 2004
11/043,042	8734.095 D1	January 27, 2005
11/117,316	8734.316 C1	April 29, 2005

The following cases do not require a fee:

Application Serial No.	Attorney Docket	Filing Date
10/125,520	8734.050	April 19, 2002
10/128,561	8734.062	April 23, 2002
10/132,191	8734.064	April 26, 2002

10/156,191	8734.074	May 29, 2005
10/184,075	8733.632.00	June 28, 2002
10/184,076	8733.635.00	June 28, 2002
10/184,082	8733.625.00	June 28, 2002
10/184,083	8733.628.00	June 28, 2002
10/184,088	8733.684.00	June 28, 2002
10/184,096	8733.666.00	June 28, 2002
10/184,115	8733.629.00	June 28, 2002
10/184,117	8733.627.00	June 28, 2002
10/184,119	8733.633.00	June 28, 2002
10/244,734	8734.087	September 17, 2002
10/245,498	8734.088	September 18, 2002
10/255,991	8734.089	September 27, 2002
10/259,416	8734.094	September 30, 2002
10/259,517	8733.706.00	September 30, 2002
10/259,640	8733.707.00	September 30, 2002
10/260,570	8733.710.00	October 1, 2002
10/301,597	8733.735.00	November 22, 2002
10/302,869	8733.736.00	November 25, 2002
10/308,138	8734.115	December 3, 2002
10/318,159	8734.129	December 13, 2002
10/322,422	8734.140	December 19, 2002
10/322,553	8734.141	December 19, 2002
10/323,882	8733.777.00	December 20, 2002
10/326,374	8733.800.00	December 23, 2002
10/329,413	8733.796.00	December 27, 2002
10/329,429	8733.788.00	December 27, 2002
10/330,132	8733.799.00	December 30, 2002
10/330,434	8733.802.00	December 30, 2002
10/331,771	8734.159	December 31, 2002
10/392,871	8734.163	March 21, 2003
10/455,718	8734.205	June 6, 2003
10/607,046	8733.845.00	June 27, 2003
10/608,371	8733.846.00	June 30, 2003
10/659,587	8734.229	September 11, 2003
10/660,655	8734.230	September 12, 2003
10/671,454	8733.704.20	September 29, 2003

10/691,656	8734.245	October 24, 2003
10/691,662	8734.246	October 24, 2003
10/698,471	8733.934.00	November 3, 2003
10/699,845	8734.248	November 4, 2003
10/699,854	8734.249	November 4, 2003
10/712,936	8733.940.00	November 14, 2003
10/717,542	8734.257	November 21, 2003
10/717,717	8734.261	November 21, 2003
10/726,584	8734.266	December 4, 2003
10/727,570	8734.268	December 5, 2003
10/779,842	8734.126 C1	February 18, 2004
10/824,436	8733.1025.00	April 15, 2004
10/824,585	8734.291	April 15, 2005
10/825,205	8734.294	April 16, 2005
10/825,206	8734.295	April 16, 2004
10/825,244	8734.296	April 16, 2005
10/825,362	8733.1024.00	April 16, 2004
10/832,312	8734.300	April 27, 2004
10/840,415	8734.301	May 7, 2004
10/843,554	8734.056 D1	May 12, 2004
10/847,286	8734.177 C1	May 18, 2004
10/851,176	8733.801.20	May 24, 2004
10/873,494	8733.636.10	June 23, 2004
10/874,534	8734.323	June 24, 2005
10/875,558	8734.326	June 25, 2004
10/875,578	8733.1111.00	June 25, 2004
10/895,926	8733.789.20	July 22, 2004
10/896,953	8733.645.20	July 23, 2004
10/914,463	8733.776.20	August 10, 2004
10/917,342	8734.093 C1	August 13, 2004
10/917,425	8734.063 C1	August 13, 2004
10/917,486	8734.056 C1	August 13, 2004
10/929,453	8734.057 C1	August 31, 2004
10/950,678	8733.738.20	September 28, 2004
10/963,640	8733.1184.00	October 14, 2004
10/965,900	8733.1189.00	October 18, 2004
10/975,468	8734.358	October 29, 2004

10/979,147	8734.073 D1	November 3, 2004
10/982,796	8734.051 C1	November 8, 2004
10/988,557	8733.711.10	November 16, 2004
10/988,834	8733.1223.00	November 16, 2004
10/995,543	8733.1246.00	November 24, 2004
10/995,543	8733.1246.00	November 24, 2004
10/995,564	8733.1228.00	November 24, 2004
10/998,563	8733.1264.00	November 30, 2004
11/002,888	8733.666.20	December 3, 2004
11/003,396	8733.637.10	December 6, 2004
11/003,469	8733.632.10	December 6, 2004
11/003,705	8733.706.10	December 6, 2004
11/004,076	8733.778.10	December 6, 2004
11/004,095	8733.737.10	December 6, 2004
11/004,925	8733.1247.00	December 7, 2004
11/007,272	8733.1244.00	December 9, 2004
11/008,140	8733.709.20	December 10, 2004
11/008,160	8733.1217.00	December 10, 2004
11/008,272	8734.369	December 10, 2004
11/014,237	8733.1239.00	December 17, 2004
11/014,238	8733.1238.00	December 17, 2004
11/015,031	8734.052 C2	December 20, 2004
11/016,891	8734.052 D1	December 21, 2004
11/023,551	8733.1216.00	December 29, 2004
11/048,856	8733.787.10	February 3, 2005
11/057,148	8734.050 D1	February 15, 2005
11/113,268	8734.326 C1	April 25, 2005



Docket No. 8733.666.00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: Young Sang BYUN et al.

ART UNIT: 2876

APPLICATION NO. 10/184,096

EXAMINER: Lisa M. Caputo

FILED: June 28, 2002

FOR: DISPENSING APPARATUS FOR LIQUID CRYSTAL DISPLAY PANEL AND
DISPENSING METHOD USING THE SAME

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.27

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The Applicant(s) wish to make of record the references listed on the attached PTO/SB/08. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending applications or issued patents which may be related to the present application. A copy of the patent(s) is attached along with PTO/SB/08.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

CERTIFICATION

The undersigned certifies that

- ☐ each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this statement.

PETITION

☒ Applicant(s) hereby request consideration of the attached information. A check is attached in the amount of the Petition fee required under 37 CFR § 1.17(i)(1).

DEPOSIT ACCOUNT

☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account No. 50-0911. A duplicate copy of this sheet is enclosed.

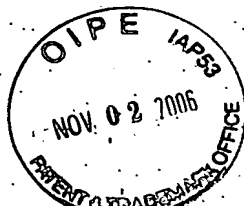
Respectfully submitted,

Dated: August 5, 2005

By 

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Registration No. 35,210

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1900 K Street, N.W.
Washington, DC 20006
(202) 496-7500
Attorneys for Applicant



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Approved for use through 05/31/2005. OMB 0851-0001
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/184,093
		Filing Date	June 28, 2002
		First Named Inventor	Lisa M. Caputo
		Art Unit	2876
		Examiner Name	Young Sang BYUN et al.
		Attorney Docket Number	8733.666.00
Sheet	1	of	11

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cited No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passage or Relevant Figures Appear
		Country Code	Number/Kind Code (if known)			
	A		1 003 066 A1	5/2000	Europe	
	B		2000-0035302 (w/ English Translation)	6/2000	Korea	
	C		05-127179 (w/ English Translation)	5/1993	Japan	
	D		05-154923 (w/ English Translation)	6/1993	Japan	
	E		05-265011 (w/ English Translation)	10/1993	Japan	
	F		05-281557 (w/ English Translation)	10/1993	Japan	
	G		05-281562 (w/ English Translation)	10/1993	Japan	
	H		06-051256 (w/ English Translation)	2/1994	Japan	
	I		06-148657 (w/ English Translation)	5/1994	Japan	
	J		06-160871 (w/ English Translation)	6/1994	Japan	
	K		06-235925 (w/ English Translation)	8/1994	Japan	
	L		06-265915 (w/ English Translation)	9/1994	Japan	
	M		06-313870 (w/ English Translation)	11/1994	Japan	
	N		07-084268 (w/ English Translation)	3/1995	Japan	
	O		07-128674 (w/ English Translation)	5/1995	Japan	
	P		07-181507 (w/ English Translation)	7/1995	Japan	
	Q		08-095066 (w/ English Translation)	4/1996	Japan	
	R		08-101395 (w/ English Translation)	4/1996	Japan	
	S		08-106101 (w/ English Translation)	4-1996	Japan	

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(use as many sheets as necessary)</p>		Complete If Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/184,093</td> </tr> <tr> <td>Filing Date</td> <td>June 28, 2002</td> </tr> <tr> <td>First Named Inventor</td> <td>Lisa M. Caputo</td> </tr> <tr> <td>Art Unit</td> <td>2876</td> </tr> <tr> <td>Examiner Name</td> <td>Young Sang BYUN et al.</td> </tr> <tr> <td>Attorney Docket Number</td> <td>8733.666.00</td> </tr> </table>		Application Number	10/184,093	Filing Date	June 28, 2002	First Named Inventor	Lisa M. Caputo	Art Unit	2876	Examiner Name	Young Sang BYUN et al.	Attorney Docket Number	8733.666.00
Application Number	10/184,093														
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First Named Inventor	Lisa M. Caputo														
Art Unit	2876														
Examiner Name	Young Sang BYUN et al.														
Attorney Docket Number	8733.666.00														
Sheet	2	of	11												

	T	08-171094 (w/ English Translation)	7/1996	Japan	
	U	08-190099 (w/ English Translation)	7-1996	Japan	
	V	08-240807 (w/ English Translation)	9/1996	Japan	
	W	09-005762 (w/ English Translation)	1/1997	Japan	
	X	09-026578 (w/ English Translation)	1/1997	Japan	
	Y	09-073075 (w/ English Translation)	3/1997	Japan	
	Z	09-073096 (w/ English Translation)	3/1997	Japan	
	AA	09-127528 (w/ English Translation)	5/1997	Japan	
	AB	09-230357 (w/ English Translation)	9/1997	Japan	
	AC	09-281511 (w/ English Translation)	10/1997	Japan	
	AD	09-311340 (w/ English Translation)	2/1997	Japan	
	AE	09-61829 (w/ English Translation)	3/1997	Japan	
	AF	10-123537 (w/ English Translation)	5/1998	Japan	
	AG	10-123538 (w/ English Translation)	5/1998	Japan	
	AH	10-142616 (w/ English Translation)	5/1998	Japan	
	AI	10-177178 (w/ English Translation)	6/1998	Japan	
	AJ	10-221700 (w/ English Translation)	8/1998	Japan	
	AK	10-282512 (w/ English Translation)	10/1998	Japan	
	AL	10-333157 (w/ English Translation)	12/1998	Japan	
	AM	10-333159 (w/ English Translation)	12/1998	Japan	
	AN	11-014953 (w/ English Translation)	1/1999	Japan	

Examiner Signature	Date Considered
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Approved for use through 03/31/2003. OMB 0851-0001
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/184,093
		Filing Date	June 28, 2002
		First Named Inventor	Lisa M. Caputo
		Art Unit	2876
		Examiner Name	Young Sang BYUN et al.
		Attorney Docket Number	8733.666.00
Sheet	3	of	11

AO	11-038424 (w/ English Translation)	2/1999	Japan	
AP	11-064811 (w/ English Translation)	3/1999	Japan	
AQ	11-109388 (w/ English Translation)	4/1999	Japan	
AR	11-133438 (w/ English Translation)	5/1999	Japan	
AS	11-142864 (w/ English Translation)	5/1999	Japan	
AT	11-174477 (w/ English Translation)	7/1999	Japan	
AU	11-212045 (w/ English Translation)	8/1999	Japan	
AV	11-248930 (w/ English Translation)	9/1999	Japan	
AW	11-326922 (w/ English Translation)	11/1999	Japan	
AX	11-344714 (w/ English Translation)	12/1999	Japan	
AY	2000-002879 (w/ English Translation)	1/2000	Japan	
AZ	2000-029035 (w/ English Translation)	1/2000	Japan	
BA	2000-056311 (w/ English Translation)	2/2000	Japan	
BB	2000-066165 (w/ English Translation)	3/2000	Japan	
BC	2000-137235 (w/ English Translation)	5/2000	Japan	
BD	2000-147528 (w/ English Translation)	5/2000	Japan	
BE	2000-193988 (w/ English Translation)	7/2000	Japan	
BF	2000-241824 (w/ English Translation)	9/2000	Japan	
BG	2000-284295 (w/ English Translation)	10/2000	Japan	
BH	2000-292799 (w/ English Translation)	10/2000	Japan	
BI	2000-310759 (w/ English Translation)	11/2000	Japan	

Examiner Signature	Date Considered
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DC:50355958.1

Substitute for form 1448/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/184,083
		Filing Date	June 28, 2002
		First Named Inventor	Lisa M. Caputo
		Art Unit	2876
		Examiner Name	Young Sang BYUN et al.
		Attorney Docket Number	8733.666.00
Sheet	4	of	11

	BJ	2000-310784 (w/ English Translation)	11/2000	Japan	
	BK	2000-338501 (w/ English Translation)	12/2000	Japan	
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	BM	2001-005405 (w/ English Translation)	1/2001	Japan	
	BN	2001-013506 (w/ English Translation)	1/2001	Japan	
	BO	2001-033793 (w/ English Translation)	2/2001	Japan	
	BP	2001-042341 (w/ English Translation)	2/2001	Japan	
	BQ	2001-051284 (w/ English Translation)	2/2001	Japan	
	BR	2001-066615 (w/ English Translation)	3/2001	Japan	
	BS	2001-091727 (w/ English Translation)	4/2001	Japan	
	BT	2001-117105 (w/ English Translation)	4/2001	Japan	
	BU	2001-117109 (w/ English Translation)	4/2001	Japan	
	BV	2001-133745 (w/ English Translation)	5/2001	Japan	
	BW	2001-133794 (w/ English Translation)	5/2001	Japan	
	BX	2001-133799 (w/ English Translation)	5/2001	Japan	
	BY	2001-142074 (w/ English Translation)	5/2001	Japan	
	BZ	2001-147437 (w/ English Translation)	5/2001	Japan	
	CA	2001-154211 (w/ English Translation)	6/2001	Japan	
	CB	2001-166272 (w/ English Translation)	6/2001	Japan	
	CC	2001-166310 (w/ English Translation)	6/2001	Japan	
	CD	2001-183683 (w/ English Translation)	7/2001	Japan	

Examiner Signature		Date Considered	
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Substitute for form 1448/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/184,093
		Filing Date	June 28, 2002
		First Named Inventor	Lisa M. Caputo
		Art Unit	2876
		Examiner Name	Young Sang BYUN et al.
		Attorney Docket Number	8733.666.00
Sheet	5	of	11

CE	2001-201750 (w/ English Translation)	7/2001	Japan		
CF	2001-209052 (w/ English Translation)	8/2001	Japan		
CG	2001-209060 (w/ English Translation)	8/2001	Japan		
CH	2001-215459 (w/ English Translation)	8/2001	Japan		
CI	2001-222017 (w/ English Translation)	8/2001	Japan		
CJ	2001-235758 (w/ English Translation)	8/2001	Japan		
CK	2001-255542 (w/ English Translation)	9/2001	Japan		
CL	2001-264782 (w/ English Translation)	9/2001	Japan		
CM	2001-272640 (w/ English Translation)	10/2001	Japan		
CN	2001-281675 (w/ English Translation)	10/2001	Japan		
CO	2001-281678 (w/ English Translation)	10/2001	Japan		
CP	2001-282126 (w/ English Translation)	10/2001	Japan		
CQ	2001-305563 (w/ English Translation)	10/2001	Japan		
CR	2001-330837 (w/ English Translation)	11/2001	Japan		
CS	2001-330840 (w/ English Translation)	11/2001	Japan		
CT	2001-356353 (w/ English Translation)	12/2001	Japan		
CU	2001-356354 (w/ English Translation)	12/2001	Japan		
CV	2002-014360 (w/ English Translation)	1/2002	Japan		
CW	2002-023176 (w/ English Translation)	1/2002	Japan		
CX	2002-049045 (w/ English Translation)	2/2002	Japan		
CY	2002-082340 (w/ English Translation)	3/2002	Japan		

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DC:50355953.1

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/184,093
		Filing Date	June 28, 2002
		First Named Inventor	Lisa M. Caputo
		Art Unit	2876
		Examiner Name	Young Sang BYUN et al.
		Attorney Docket Number	8733.666.00
Sheet	6	of	11

CZ	2002-090759 (w/ English Translation)	3/2002	Japan	
DA	2002-090760 (w/ English Translation)	3/2002	Japan	
DB	2002-107740 (w/ English Translation)	4/2002	Japan	
DC	2002-122872 (w/ English Translation)	4/2002	Japan	
DD	2002-122873 (w/ English Translation)	4/2002	Japan	
DE	2002-139734 (w/ English Translation)	5/2002	Japan	
DF	2002-202512 (w/ English Translation)	7/2002	Japan	
DG	2002-202514 (w/ English Translation)	7/2002	Japan	
DH	2002-214626 (w/ English Translation)	7/2002	Japan	
DI	51-65656 (w/ English Translation)	6/1976	Japan	
DJ	57-038414 (w/ English Translation)	3/1982	Japan	
DK	57-088428 (w/ English Translation)	6/1982	Japan	
DL	58-027126 (w/ English Translation)	2/1983	Japan	
DM	59-057221 (w/ English Translation)	4/1984	Japan	
DN	59-195222 (w/ English Translation)	11/1984	Japan	
DO	60-111221 (w/ English Translation)	6/1985	Japan	
DP	60-164723 (w/ English Translation)	8/1985	Japan	
DQ	60-217343 (w/ English Translation)	10/1985	Japan	
DR	61-007822 (w/ English Translation)	1/1986	Japan	
DS	61-055625 (w/ English Translation)	3/1986	Japan	
DT	62-089025 (w/ English Translation)	4/1987	Japan	

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Substitute for form 1442/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/184,093
		Filing Date	June 28, 2002
		First Named Inventor	Lisa M. Caputo
		Art Unit	2878
		Examiner Name	Young Sang BYUN et al.
		Attorney Docket Number	8733.666.00
Sheet	7	of	11

	DU	62-090622 (w/ English Translation)	4/1987	Japan	
	DV	62-205319 (w/ English Translation)	9/1987	Japan	
	DW	63-109413 (w/ English Translation)	5/1988	Japan	
	DX	63-110425 (w/ English Translation)	5/1988	Japan	
	DY	63-128315 (w/ English Translation)	5/1988	Japan	
	DZ	63-311233 (w/ English Translation)	12/1988	Japan	
	EA	2000-093866 (w/ English Translation)	4/2000	Japan	
	EB	2000-066218 (w/ English Translation)	3/2000	Japan	
	EC	2001-209056 (w/ English Translation)	8/2001	Japan	
	ED	2001-209057 (w/ English Translation)	8/2001	Japan	
	EE	2001-209058 (w/ English Translation)	8/2001	Japan	
	EF	2002-079160 (w/ English Translation)	3/2002	Japan	
	EG	2002-080321 (w/ English Translation)	3/2002	Japan	
	EH	2002-122870 (w/ English Translation)	4/2002	Japan	
	EI	2002-131762 (w/ English Translation)	5/2002	Japan	
	EJ	2002-156518 (w/ English Translation)	5/2002	Japan	
	EK	2002-169166 (w/ English Translation)	6/2002	Japan	
	EL	2002-169167 (w/ English Translation)	6/2002	Japan	
	EM	2002-182222 (w/ English Translation)	6/2002	Japan	
	EN	2002-229042 (w/ English Translation)	8/2002	Japan	
	EO	2002-236276 (w/ English Translation)	8/2002	Japan	

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Substitute for form 1442/PTO		Complete if known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/184,093
		Filing Date	June 28, 2002
		First Named Inventor	Lisa M. Caputo
		Art Unit	2876
		Examiner Name	Young Sang BYUN et al.
		Attorney Docket Number	8733.666.00
Sheet	8	of	11

	EP	2002-236292 (w/ English Translation)	9/2002	Japan		
	EQ	2002-258299 (w/ English Translation)	8/2002	Japan		
	ER	2002-277865 (w/ English Translation)	9/2002	Japan		
	ES	2002-277866 (w/ English Translation)	9/2002	Japan		
	ET	2002-277881 (w/ English Translation)	9/2002	Japan		
	EU	2002-287156 (w/ English Translation)	10/2002	Japan		
	EV	2002-296605 (w/ English Translation)	10/2002	Japan		
	EW	2002-311438 (w/ English Translation)	10/2002	Japan		
	EX	2002-311440 (w/ English Translation)	10/2002	Japan		
	EY	2002-311442 (w/ English Translation)	10/2002	Japan		
	EZ	2002-323687 (w/ English Translation)	11/2002	Japan		
	FA	2002-323694 (w/ English Translation)	11/2002	Japan		
	FB	2002-333628 (w/ English Translation)	11/2002	Japan		
	FC	2002-333635 (w/ English Translation)	11/2002	Japan		
	FD	2002-333843 (w/ English Translation)	11/2002	Japan		
	FE	2002-341329 (w/ English Translation)	11/2002	Japan		
	FF	2002-341355 (w/ English Translation)	11/2002	Japan		
	FG	2002-341356 (w/ English Translation)	11/2002	Japan		
	FH	2002-341357 (w/ English Translation)	11/2002	Japan		
	FI	2002-341358 (w/ English Translation)	11/2002	Japan		
	FJ	2002-341359 (w/ English Translation)	11/2002	Japan		

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Substitute for form 1448/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/184,098
		Filing Date	June 28, 2002
		First Named Inventor	Lisa M. Caputo
		Art Unit	2876
		Examiner Name	Young Sang BYUN et al.
		Attorney Docket Number	8733.666.00
Sheet	9	of	11

FK	2002-341362 (w/ English Translation)	11/2002	Japan		
FL	H03-009549 (w/ English Translation)	1/1991	Japan		
FM	H05-036425 (w/ English Translation)	2/1993	Japan		
FN	H05-036426 (w/ English Translation)	2/1993	Japan		
FO	H05-107533 (w/ English Translation)	4/1993	Japan		
FP	H06-018829 (w/ English Translation)	1/1994	Japan		
FQ	H06-064229 (w/ English Translation)	3/1994	Japan		
FR	H06-194637 (w/ English Translation)	7/1994	Japan		
FS	H07-275770 (w/ English Translation)	10/1995	Japan		
FT	H07-275771 (w/ English Translation)	10/1995	Japan		
FU	H08-076133 (w/ English Translation)	3/1996	Japan		
FV	H08-110504 (w/ English Translation)	4/1996	Japan		
FW	H08-136937 (w/ English Translation)	5/1996	Japan		
FX	H08-173874 (w/ English Translation)	7/1996	Japan		
FY	H09-001026 (w/ English Translation)	1/1997	Japan		
FZ	H09-094500 (w/ English Translation)	4/1997	Japan		
GA	H10-174924 (w/ English Translation)	6/1998	Japan		
GB	H11-262712 (w/ English Translation)	9/1999	Japan		
GC	H11-264991 (w/ English Translation)	9/1999	Japan		
GD	S62-054225 (w/ English Translation)	3/1987	Japan		
GE	S62-054228 (w/ English Translation)	3/1987	Japan		

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Substitute for form 144B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/184,083
		Filing Date	June 28, 2002
		First Named Inventor	Lisa M. Caputo
		Art Unit	2876
		Examiner Name	Young Sang BYUN et al.
		Attorney Doctel Number	8733.666.00
Sheet	10	of	11

GF	S62-054229 (w/ English Translation)	3/1987	Japan		
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cls No.	U.S. Patent Number	Issue Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Paragraphs or Relevant Figures Appear
	GG	3978580			
	GH	4653864			
	GI	4775225			
	GJ	5263888			
	GK	5379139			
	GL	5406989			
	GM	5499128			
	GN	5507323			
	GO	5539545			
	GP	5548429			
	GQ	5680189			
	GR	5757451			
	GS	5852484			
	GT	5854664			
	GU	5861932			
	GV	5952676			
	GW	4094058			
	GX	4691995			
	GY	5875922			
	GZ	6304311			
	HA	5247377			
	HB	5511591			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/184,093
		Filing Date	June 28, 2002
		First Named Inventor	Lisa M. Caputo
		Art Unit	2876
		Examiner Name	Young Sang BYUN et al.
		Attorney Docket Number	8733.666.00
Sheet	11	of	11

	HC	5642214				
	HD	5742370				
	HE	6011609				
	HF	6016178				
	HG	6055035				
	HH	6163357				
	HI	6226067				
	HJ	6304306				
	HK	6414733				
	HL	5956112				
	HM	6001203				
	HN	6016181				
	HO	6219126				
	HP	6236445				
	HQ	6337730				

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